

**Light induced linear polarization in spiropyran doped nematic liquid crystal mixture.** / L. V. Devadze, Ts. I. Zurabishvili, N. O. Sepashvili, G. Sh. Petriashvili. / Nano Studies. – 2015. – # 12 – pp. 163-168. – eng.

Photochromic properties of the spiropyran doped nematic composite were investigated. It was shown that when the nematic host has a high order parameter the composite exhibits a dichroic behavior which is a light controllable. High optical polarization of the composite promise to introduce a novel optical data storage medium, which enables to record the light characteristics such as wavelength, polarization and phase, with high optical density. Fig. 7, Tab. 1, Ref. 23.

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